

Title (en)

TREATMENT OF PULP WITH A CHELATING AGENT WITHOUT USING A BLEACHING TOWER

Title (de)

ZELLSTOFFBEHANDLUNG MIT EINEM KOMPLEXBILDNER OHNE VERWENDUNG EINES BLEICHTURMS

Title (fr)

TRAITEMENT DE PATE AVEC UN CHELATEUR SANS UTILISER DE TOUR DE BLANCHIMENT

Publication

EP 0951599 B1 20030528 (EN)

Application

EP 97912616 A 19971106

Priority

- SE 9701853 W 19971106
- SE 9700030 A 19970103

Abstract (en)

[origin: WO9829597A1] A method at chlorine-free bleaching of pulp where metals are removed by means of chelating agent. The chelating agent is mixed with the pulp in at least one effective mixing step without intermediate washing, whereafter the pulp without an intermediate tower passes directly to a pulp washer. The total retention time shall be at maximum 15 minutes, calculated after the chelating agent addition.

IPC 1-7

D21C 9/10; **D21C 9/16**

IPC 8 full level

D21C 9/02 (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP)

D21C 9/02 (2013.01); **D21C 9/1042** (2013.01)

Designated contracting state (EPC)

AT DE ES FI FR PT SE

DOCDB simple family (publication)

WO 9829597 A1 19980709; AT E241725 T1 20030615; AU 4974197 A 19980731; AU 726599 B2 20001116; BR 9714252 A 20000418; CA 2275257 A1 19980709; CN 1103832 C 20030326; CN 1242060 A 20000119; DE 69722445 D1 20030703; DE 69722445 T2 20040115; EP 0951599 A1 19991027; EP 0951599 B1 20030528; ES 2195123 T3 20031201; ID 20003 A 19980910; JP 2001508837 A 20010703; NO 993290 D0 19990702; NO 993290 L 19990902; NZ 336204 A 19991129; PT 951599 E 20031031; SE 508239 C2 19980921; SE 9700030 D0 19970103; SE 9700030 L 19980704; ZA 9710418 B 19980610

DOCDB simple family (application)

SE 9701853 W 19971106; AT 97912616 T 19971106; AU 4974197 A 19971106; BR 9714252 A 19971106; CA 2275257 A 19971106; CN 97181066 A 19971106; DE 69722445 T 19971106; EP 97912616 A 19971106; ES 97912616 T 19971106; ID 973960 A 19971223; JP 52990798 A 19971106; NO 993290 A 19990702; NZ 33620497 A 19971106; PT 97912616 T 19971106; SE 9700030 A 19970103; ZA 9710418 A 19971119